

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): See Schedule A  
Assignee: Comverse, Ltd.  
Patent No.: See Schedule A  
Issue Date: See Schedule A  
Application No.: See Schedule A  
Filing Date: See Schedule A  
For: See Schedule A  
Examiner: See Schedule A  
Group Art Unit: See Schedule A  
Confirmation No.: See Schedule A  
Customer No.: 27,623

**REVOCATION OF PREVIOUS POWERS AND  
APPOINTMENT OF NEW POWERS OF ATTORNEY WITH  
CERTIFICATE UNDER 37 CFR §3.73(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

I, Arie Vanunu, as Components & Operation LOB Manager of Comverse, Ltd., hereby revoke all previous Powers of Attorney for the Patents identified on the attached Schedule A and hereby appoint the following attorneys to maintain these Patents and to transact all business in the U.S. Patent and Trademark Office in connection therewith.

**PRACTITIONERS ASSOCIATED WITH CUSTOMER NUMBER 27,623**

Please send all future correspondence and direct all telephone calls to the following address and telephone number;

**SEND CORRESPONDENCE TO:**

**ADDRESS ASSOCIATED WITH  
CUSTOMER NUMBER 27,623  
C/O Charles N.J. Ruggiero**

**DIRECT TELEPHONE CALLS TO:**

**Charles N.J. Ruggiero  
Telephone: (203) 327-4500  
Telefax: (203) 327-6401**

CERTIFICATE UNDER 37 CFR 3.73(b)

Comverse Technology, Inc. and Comverse, Ltd. certify that they are the assignees of the entire right, title and interest in the Patents identified in Schedule A by virtue of:

An assignment from the inventor(s) of the patent applications identified in Schedule A. The assignments were recorded in the Patent and Trademark Office, please see the attached Schedule A for Reel and Frame numbers.

The undersigned has reviewed all the documents in the chain of title of the patents identified above and, to the best of the undersigned's knowledge and belief, title is in the assignees identified above. The undersigned (whose titles are supplied below) are empowered to act on behalf of the assignees.

We hereby declare that all statements made herein are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under §1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Executed this 8 day of Feb, 2011.

By: S Arie .D  
Arie Vanunu  
Components & Operation LOB Manager  
Comverse, Ltd.